

## **GIS for Evaluation and Research**

### **Collaborating with the Childhood Lead Poisoning**

#### **Prevention Programs**



---

---

---

---

---

---

---

## **Data sources for Evaluation**

- Census
  - Screening/Surveillance
    - Patient Management/Cases
      - Birth Cohort
        - Tax Assessor
          - Medicaid



---

---

---

---

---

---

---

## **Geocoding**

### **•Geographic Location of Data**

#### **•Overlays**

- Screening Results
- Cases
- Pre-1950 Housing



---

---

---

---

---

---

---

## Potential Use: Measure Program Effectiveness

- Evaluation of screening activities



---

---

---

---

---

---

---

## Evaluate

Where are we currently screening?

Are we screening in the right areas?

Where are cases being reported from?



---

---

---

---

---

---

---

## Data Uses for Different Objectives

Program Planning

Political Purposes

Private Physicians



---

---

---

---

---

---

---

**Plan**

**Universal or Targeted**

**Screening**



---

---

---

---

---

---

---

**Discussants**

- John Braggio** - GIS Questionnaire
- Virginia Gilbert** - GIS evaluation and research agenda
- Forrest Staley** - Sophisticated Analysis.
- Rick Leiker** - 2000 Census data.
- Jerry Curtis** - NCEH/LPPB GIS



---

---

---

---

---

---

---